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Tool Handles

145. WOOD-WORKING TOOLS,
Tool Handles.

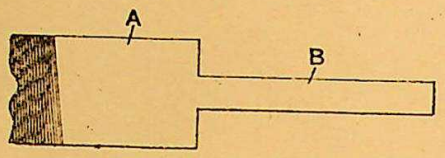

FIG. 1.

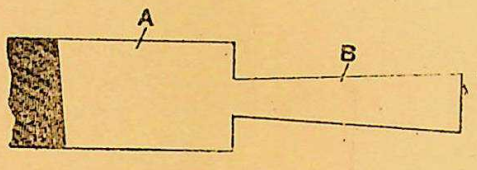

FIG. 2.

Handle made of textile or fibrous material compressed around the tang.

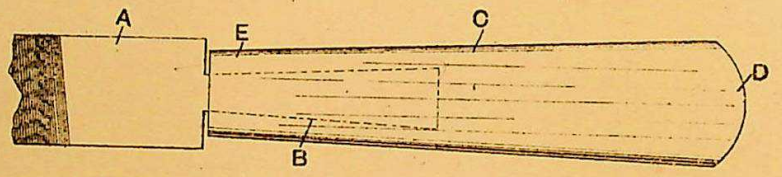

FIG. 3.

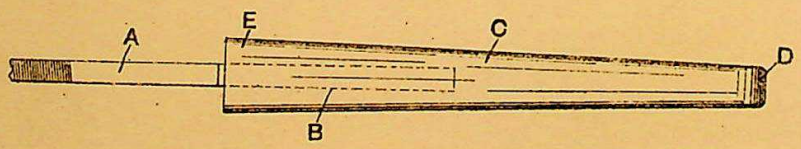

FIG. 4.

[This Drawing is a reproduction of the Original on a reduced scale.]

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Malby & Sons, Photo-Litho.

Tool Handles

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N° 488 A.D. 1891

Date of Application, 10th Jan., 1891
Complete Specification Left, 10th Oct., 1891—Accepted, 21st Nov., 1891

PROVISIONAL SPECIFICATION.

Improvements in and connected with Rasps and Files.

I, JOHN MALIN EDELSTEN of the Mersey Works Warrington in the County of Lancaster, File Manufacturer, do hereby declare the nature of this invention to be as follows :—

This invention relates to files and rasps which are constructed or provided with tangs or equivalent prolonged parts by means of which they may be secured in suitable handles, and these improvements consist in the construction and arrangement as hereinafter described of the handles for or upon such implements.

In proceeding according to this invention, I construct the handles from a suitable fibrous or textile material such as paper or from paper pulp wood pulp or other pulp from which paper is or may be made or from cloth.

As illustrative of the manner in which my invention may be carried into effect I will describe the most available methods at present known to me. If paper is to be employed, it is first cut into strips having a width equal to the length of the proposed handle. These strips are then pasted and they may either be rolled around the tang or equivalent prolonged part of the article to be handled, or each strip may simply be rolled into a cylinder into one end of which the tang or prolonged part of the article may be driven or inserted. The handle thus roughly made may be compressed within a mould or between dies and be otherwise finished in any suitable manner.

If pulp is to be used in the construction of the handles I may compress the pulp in moulds or between dies to the desired form and afterwards insert the tangs therein or I may insert the tangs into the moulds or between the dies and thus compress the handles around the tangs.

The material of which the handle is formed may be rendered water-proof or impermeable by treatment with cupro-ammonium, or by means of an insoluble soap or by other suitable means.

When the handle is to be formed around the tang or prolonged part, I prefer to make the said part parallel or nearly so; and I may cause it to project slightly beyond the end of the handle where it may be riveted or battered.

Dated this 9th day of January A.D. 1891.

WILLIAM E. HEYS.
Agent for the Applicant.

COMPLETE SPECIFICATION.

Improvements in and connected with Rasps and Files.

I, JOHN MALIN EDELSTEN of the Mersey Works Warrington in the County of Lancaster, File Manufacturer, do hereby declare the nature of this invention, and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement :—

This invention relates to files and rasps which are constructed or provided with tangs or equivalent prolonged parts by means of which they may be secured in suitable handles, and these improvements consist in the construction and arrangement as hereinafter described of handles for such implements.

In proceeding according to these improvements, I preferably construct the handles from paper, but I may also construct them from other suitable fibrous or textile material such as wood-pulp, paper-pulp, or cloth.

If paper be employed, I may take ordinary brown paper and cut it into strips each of which has a width about equal to the length of the proposed handle. These strips are then pasted and they may either be rolled around the tang or other

equivalent prolonged part of the implements, or each strip may simply be rolled into a cylindrical form into one end of which the tang or prolonged part may be driven or inserted. The handle thus roughly formed may be compressed within a mould, whilst still damp, or between dies, and may when dry be cut, filed, sand-papered and varnished or be otherwise finished as may be desired.

If wood-pulp or paper pulp is to be used in the construction of the handles, I may compress the damp pulp in moulds or dies constructed so as to produce the desired form and I may insert the tangs therein afterwards, or I may arrange to insert the tangs into the moulds or dies and compress the pulp around them. As by proceeding in the manner last described, that is to say, by compressing the pulp around the tangs, I cause the handle to fit more closely and securely upon the tang, I prefer in all cases when using pulp, to adopt this method of procedure.

When using cloth, which however is in most cases dearer than paper, and very little superior in any respect for the purposes of this invention, I may proceed as already hereinbefore described for paper.

Instead of using paste for joining the various layers of paper which constitute the handle as first herein described, I may use a thin solution of glue or albumen or other suitable cementitious matter.

The material of which the handle is constructed may in either case be rendered waterproof or impermeable, by treatment with cupro-ammonium, by means of an insoluble soap, or, when albumen is used for pasting up, by subsequently coagulating the albumen by heat or a solution of a metallic salt, or the finished handle may be varnished. Indiarubber and analogous compounds are not suitable for the purpose because they are generally too dear, and because further, they would become decomposed under the ordinary conditions of use.

The accompanying drawings are intended to illustrate in what manner I prefer to carry my invention into practical effect.

Figures 1 and 2 represent in plan, alternative forms of the tang or projection which I prefer to employ; of these, that shewn in Figure 2, which is dovetailed in plan, gives the better results.

Figure 3 represents in plan, and Figure 4 in side view, a part of a file having the handle fitted thereon.

In each of the figures, A is the file, rasp or similar instrument, of which the greater portion is indicated as having been broken off; B is the tang or projection; and C is the handle.

The handle is shewn as being flattened, and this is the form I prefer to adopt because such handles pack more closely, and are in most cases more convenient to use than round handles.

After the handle has been formed as hereinbefore described, it may be rounded at D by means of a knife or rasp (if it has not already been rounded in the process of manufacture) to give it a better finish, and for the same reason a strip of coloured paper, imitating a ferrule, may be pasted around the upper part of the handle at E.

The tang or projection may be made smaller in cross section than indicated in the drawings, and of such a length as to extend through the handle and project slightly beyond the end D. The projecting end may then be battered or headed over a small washer placed around the projecting part of the tang.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is,—

Handles for files and rasps, constructed and fitted upon the tangs of the implements, substantially as hereinbefore described with reference to the accompanying drawings.

Dated this 9th day of October A.D. 1891.

WILLIAM E. HEYS,
Agent for the Applicant.

London: Printed for Her Majesty's Stationery Office, by Darling & Son, Ltd.—1891.